



323

Hydraulic Excavator

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

Table of Contents

Specifications	2
Engine	2
Swing Mechanism	2
Weights	2
Track	2
Drive	2
Hydraulic System	2
Service Refill Capacities	2
Sound Performance	2
Standards	2
Operating Weights and Ground Pressures	3
Major Component Weights	3
Dimensions	4
Working Ranges	5
Reach Boom Lift Capacities	6
Bucket Specifications and Compatibility	9
Attachments Offering Guide	11
Standard and Optional Equipment	12
Dealer Installed Kit and Attachments	14

323 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C7.1	
Net Power		
ISO 9249	117 kW	157 hp
ISO 9249 (DIN)	159 hp (metric)	
Engine Power		
ISO 14396	118 kW	158 hp
ISO 14396 (DIN)	160 hp (metric)	
Bore	105 mm	4 in
Stroke	135 mm	5 in
Displacement	7.01 L	428 in³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets Brazil MAR-1 and China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1,800 rpm.

⁽¹⁾Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels up to:

- ✓ 100% biodiesel FAME (fatty acid methyl ester)*
- ✓ 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

Swing Mechanism

Swing Speed	11.3 rpm	
Maximum Swing Torque	82 kN·m	60,300 lbf·ft

Weights

Operating Weight	24 100 kg	53,100 lb
------------------	-----------	-----------

- HD Reach Boom, R2.9 (9'6") Stick, 1.30 m³ (1.70 yd³) HD bucket and 600 mm (24 in) HD triple grouser shoes.

Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
	790 mm	31 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull – Long Undercarriage	204 kN	45,861 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min (215 × 2 pumps)	113 gal/min (57 × 2 pumps)
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Heavy Lift Mode/Auto Dig Boost	38 000 kPa	5,510 psi
Maximum Pressure – Travel	34 300 kPa	4,974 psi
Maximum Pressure – Swing	27 500 kPa	3,998 psi
Boom Cylinder – Bore	120 mm	5 in
Boom Cylinder – Stroke	1260 mm	50 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

Service Refill Capacities

Fuel Tank Capacity	345 L	86.6 gal
Cooling System	25 L	6.6 gal
Engine Oil	25 L	6.6 gal
Swing Drive	12 L	3.2 gal
Final Drive (each)	4 L	1.1 gal
Hydraulic System (including tank)	234 L	61.8 gal
Hydraulic Tank	115 L	30.4 gal

Sound Performance

ISO 6395:2008 (external)	100 dB(A)
ISO 6396:2008 (inside cab)	70 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Standards

Brakes	ISO 10265:2008
Cab/ROPS	ISO 12117-2:2008
FOGS (optional)	ISO 10262:1998 Level II

323 Hydraulic Excavator Specifications

Operating Weights and Ground Pressures

Base Machine Configurations	600 mm (24 in) Triple Grouser Shoes				700 mm (28 in) Triple Grouser Shoes				790 mm (31 in) Triple Grouser Shoes			
	Weight		Ground Pressure		Weight		Ground Pressure		Weight		Ground Pressure	
	kg	lb	kPa	psi	kg	lb	kPa	psi	kg	lb	kPa	psi
Base Frame with Track Rollers and Carrier Rollers												
5.4 mt (11,900 lb) Counterweight + Long Undercarriage Base Machine												
HD Reach Boom + R2.9 (9'6") Stick + 1.30 m ³ (1.70 yd ³) HD Bucket	24 100	53,100	50.1	7.3	24 500	54,000	43.7	6.3	24 800	54,700	39.2	5.7

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

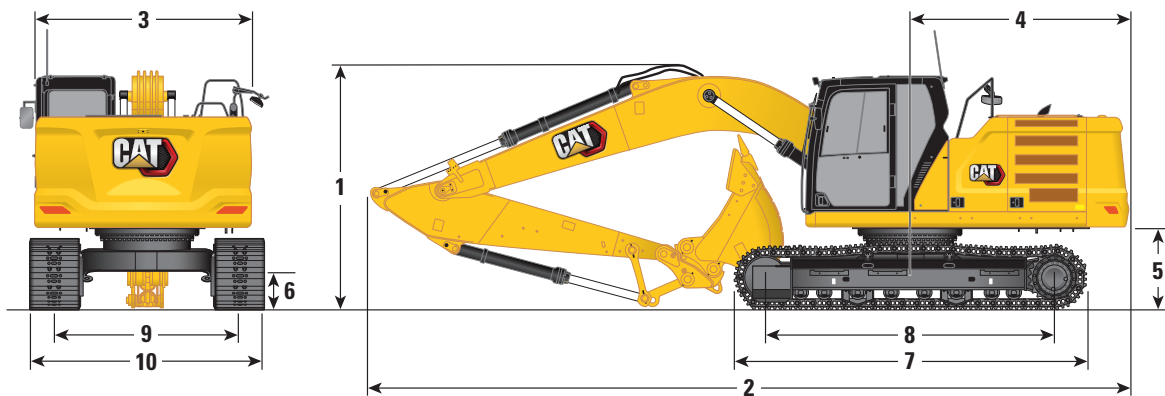
Major Component Weights

	kg	lb
Base Machine (with 5.4 mt [11,900 lb], counterweight, HD swing frame, HD base frame with SD track rollers and standard carrier rollers for long undercarriage, without boom cylinder – does not include 90% fuel and 75 kg [165 lb] operator)	16 400	36,100
Track Shoes:		
600 mm (24 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes	3080	6,800
700 mm (28 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes	3490	7,700
790 mm (31 in) Width, 12.5 mm (0.49 in) Thick Triple Grouser HD Track Shoes with Step Extension	3800	8,400
Boom Cylinders	340	750
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	680
Counterweight:		
5.4 mt (11,900 lb) Counterweight	5400	11,900
Swing Frame	2090	4,600
Undercarriage:		
HD Base Frame with SD Track Rollers and Standard Carrier Rollers	4470	9,900
Booms (including lines, pins, stick cylinder):		
HD Reach Boom (5.7 m/18'8")	2010	4,400
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick (R2.9B1/9'6")	990	2,200
Reach Stick (R2.5B1/8'2")	970	2,100
Buckets (without linkage):		
1.30 m ³ (1.70 yd ³) HD	930	2,000
Quick Couplers:		
CW Dedicated	230	500
Pin Grabber QC	390	850

323 Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate and may vary depending on bucket selection.

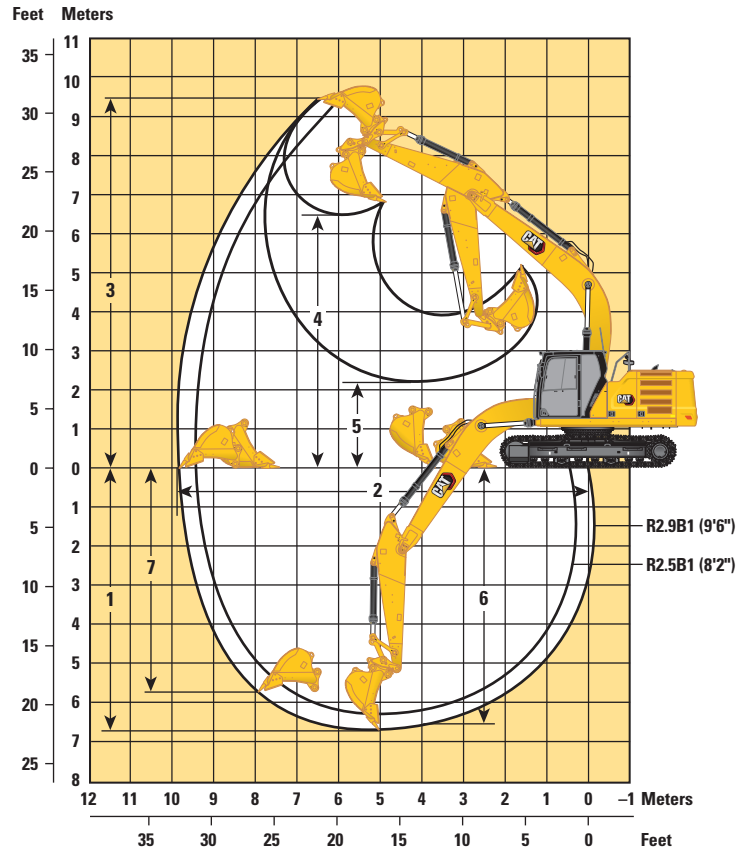


Boom Options		HD Reach Boom 5.7 m (18'8")			
Stick Options		Reach Stick R2.9B1 (9'6")		Reach Stick R2.5B1 (8'2")	
1 Machine Height:					
Top of Cab Height		2960 mm	9'9"	2960 mm	9'9"
Top of FOGS Height		3100 mm	10'2"	3100 mm	10'2"
Handrail Height		2950 mm	9'9"	2950 mm	9'9"
With Boom/Stick/Bucket Installed		3160 mm	10'4"	3080 mm	10'1"
With Boom/Stick Installed		2910 mm	9'7"	2910 mm	9'7"
With Boom Installed		2480 mm	8'2"	2480 mm	8'2"
2 Machine Length:					
With Boom/Stick/Bucket Installed		9530 mm	31'3"	9530 mm	31'3"
With Boom/Stick Installed		9500 mm	31'2"	9500 mm	31'2"
With Boom Installed		8450 mm	27'9"	8450 mm	27'9"
3 Upperframe Width		2780 mm	9'1"	2780 mm	9'1"
4 Tail Swing Radius		2830 mm	9'3"	2830 mm	9'3"
5 Counterweight Clearance		1050 mm	3'5"	1050 mm	3'5"
6 Ground Clearance		470 mm	1'7"	470 mm	1'7"
7 Track Length		4450 mm	14'7"	4450 mm	14'7"
8 Length to Center of Rollers		3650 mm	12'0"	3650 mm	12'0"
9 Track Gauge		2380 mm	7'9"	2380 mm	7'9"
0 Undercarriage Width:					
600 mm (24 in) Shoes		2980 mm	9'9"	2980 mm	9'9"
700 mm (28 in) Shoes		3080 mm	10'1"	3080 mm	10'1"
790 mm (31 in) Shoes		3170 mm	10'5"	3170 mm	10'5"
Bucket Type		HD		HD	
Bucket Capacity		1.30 m³	1.70 yd³	1.30 m³	1.70 yd³
Bucket Tip Radius		1580 mm	5'2"	1580 mm	5'2"

323 Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate and may vary depending on bucket selection.



Boom Option

HD Reach Boom 5.7 m (18'8")

Stick Options

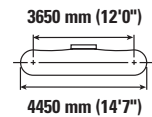
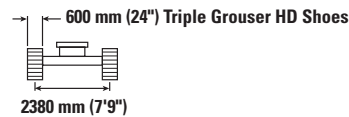
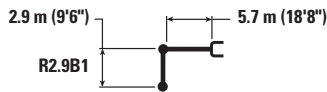
Reach Stick R2.9B1 (9'6")















Reach Stick R2.5B1 (8'2")

1 Maximum Digging Depth	6730 mm	22'1"	6310 mm	20'8"
2 Maximum Reach at Ground Line	9870 mm	32'4"	9470 mm	31'1"
3 Maximum Cutting Height	9450 mm	31'1"	9250 mm	30'4"
4 Maximum Loading Height	6480 mm	21'3"	6280 mm	20'7"
5 Minimum Loading Height	2160 mm	7'1"	2580 mm	8'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6560 mm	21'6"	6120 mm	20'1"
7 Maximum Vertical Wall Digging Depth	5620 mm	18'5"	5230 mm	17'2"
Bucket Digging Force (ISO)	140 kN	34,308 lbf	140 kN	31,505 lbf
Stick Digging Force (ISO)	107 kN	26,094 lbf	118 kN	26,550 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	152 kN	34,205 lbf	152 kN	34,205 lbf
Stick Digging Force (ISO) – Auto Dig Boost	116 kN	26,016 lbf	128 kN	28,826 lbf
Bucket Type	HD		HD	
Bucket Capacity	1.30 m ³	1.70 yd ³	1.19 m ³	1.56 yd ³
Bucket Tip Radius	1580 mm	5'2"	1570 mm	5'2"

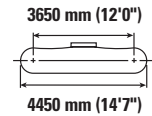
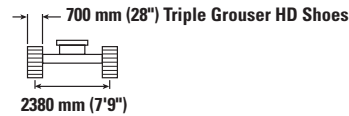
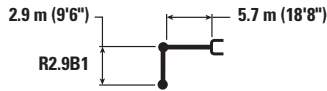
323 Hydraulic Excavator Specifications















Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
														
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6150 240
6000 mm 240 in	kg lb							*5450 *11,900	*5450 *11,900			*3950 *8,750	*3950 *8,750	7290 290
4500 mm 180 in	kg lb							*5950 *13,000	*5950 *13,000	*5600 12,300	4500 9,650	*3900 *8,550	*3900 *8,550	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,850	6050 13,000	*6000 *13,050	4400 9,450	*4000 *8,750	3750 8,200	8360 330
1500 mm 60 in	kg lb					*10 550 *22,750	8600 18,550	*7800 *16,850	5800 12,500	*6450 13,900	4250 9,200	*4250 *9,300	3600 7,950	8450 340
0 mm 0 in	kg lb			*6600 *15,150	*6600 *15,150	*11 550 *24,950	8350 17,900	*8450 *18,250	5600 12,100	6350 13,700	4200 9,000	*4700 *10,300	3700 8,100	8260 330
-1500 mm -60 in	kg lb	*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	*11 650 *25,250	8250 17,700	*8600 *18,650	5550 11,950	6350 13,650	4150 8,950	*5500 *12,100	3950 8,700	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,100	*12 100 *27,100	*15 450 *33,450	*15 450 *33,450	*10 900 *23,550	8300 17,850	*8100 *17,450	5550 12,000			*6650 *14,650	4650 10,250	6950 280
-4500 mm -180 in	kg lb			*12 300 *26,350	*12 300 *26,350	*8850 *18,900	8500 18,300					*6700 *14,750	6300 14,200	5600 220

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
														
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6150 240
6000 mm 240 in	kg lb							*5450 *11,900	*5450 *11,900			*3950 *8,750	*3950 *8,750	7290 290
4500 mm 180 in	kg lb							*5950 *13,000	*5950 *13,000	*5600 12,300	4550 9,750	*3900 *8,550	*3900 *8,550	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,850	6100 13,200	*6000 *13,050	4450 9,550	*4000 *8,750	3800 8,350	8360 330
1500 mm 60 in	kg lb					*10 550 *22,750	8750 18,850	*7800 *16,850	5900 12,650	*6450 *13,950	4350 9,300	*4250 *9,300	3650 8,050	8450 340
0 mm 0 in	kg lb			*6600 *15,150	*6600 *15,150	*11 550 *24,950	8450 18,200	*8450 *18,250	5700 12,300	6450 13,900	4250 9,100	*4700 *10,300	3750 8,200	8260 330
-1500 mm -60 in	kg lb	*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	*11 650 *25,250	8350 18,000	*8600 *18,650	5600 12,100	6450 13,850	4200 9,050	*5500 *12,100	4000 8,850	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,100	*12 100 *27,100	*15 450 *33,450	*15 450 *33,450	*10 900 *23,550	8400 18,100	*8100 *17,450	5650 12,200			*6650 *14,650	4700 10,400	6950 280
-4500 mm -180 in	kg lb			*12 300 *26,350	*12 300 *26,350	*8850 *18,900	8600 18,600					*6700 *14,750	6400 14,400	5600 220



ISO 10567



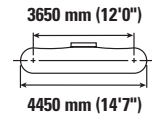
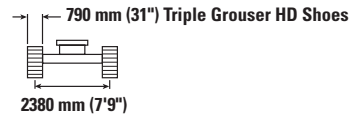
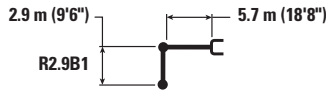
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.















Lift capacity stays with $\pm 5\%$ for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

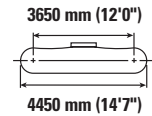
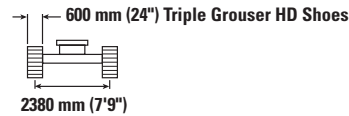
323 Hydraulic Excavator Specifications













Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On



		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
														
7500 mm 300 in	kg lb							*4950	*4950			*4300 *9,500	*4300 *9,500	6150 240
6000 mm 240 in	kg lb							*5450 *11,900	*5450 *11,900			*3950 *8,750	*3950 *8,750	7290 290
4500 mm 180 in	kg lb							*5950 *13,000	*5950 *13,000	*5600 *12,300	4600 9,850	*3900 *8,550	*3900 *8,550	7990 320
3000 mm 120 in	kg lb					*8700 *18,750	*8700 *18,750	*6850 *14,850	6200 13,300	*6000 *13,050	4500 9,650	*4000 *8,750	*3850 *8,450	8360 330
1500 mm 60 in	kg lb					*10 550 *22,750	8850 19,000	*7800 *16,850	5950 12,800	*6450 *13,950	4400 9,400	*4250 *9,300	3700 8,150	8450 340
0 mm 0 in	kg lb			*6600 *15,150	*6600 *15,150	*11 550 *24,950	8550 18,350	*8450 *18,250	5750 12,400	6550 14,050	4300 9,200	*4700 *10,300	3750 8,300	8260 330
-1500 mm -60 in	kg lb	*7050 *15,750	*7050 *15,750	*11 400 *25,850	*11 400 *25,850	*11 650 *25,250	8450 18,150	*8600 *18,650	5700 12,250	6500 14,000	4250 9,150	*5500 *12,100	4050 8,950	7780 310
-3000 mm -120 in	kg lb	*12 100 *27,100	*12 100 *27,100	*15 450 *33,450	*15 450 *33,450	*10 900 *23,550	8500 18,300	*8100 *17,450	5700 12,300			*6650 *14,650	4750 10,500	6950 280
-4500 mm -180 in	kg lb			*12 300 *26,350	*12 300 *26,350	*8850 *18,900	8700 18,750					*6700 *14,750	6450 14,550	5600 220

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb									*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in	kg lb					*5900 *12,900	*5900 *12,900			*4750 *10,450	*4750 *10,450	6830 270
4500 mm 180 in	kg lb			*7400 *15,950	*7400 *15,950	*6350 *13,850	6200 13,400	*5250	4450	*4650 *10,200	4400 9,700	7570 300
3000 mm 120 in	kg lb			*9300 *20,000	9000 19,400	*7200 *15,600	6000 12,900	*6250 *13,600	4350 9,350	*4750 *10,450	4000 8,800	7960 320
1500 mm 60 in	kg lb			*10 950 *23,650	8550 18,400	*8050 *17,400	5750 12,400	6450 13,850	4250 9,150	*5050 *11,150	3850 8,500	8050 320
0 mm 0 in	kg lb			*11 700 *25,300	8300 17,900	*8550 *18,550	5600 12,100	6350 13,700	4200 9,000	*5650 *12,450	3950 8,650	7860 310
-1500 mm -60 in	kg lb	*12 000 *27,300	*12 000 *27,300	*11 550 *25,000	8250 17,800	*8600 *18,600	5550 12,000			6550 14,450	4300 9,450	7350 290
-3000 mm -120 in	kg lb	*14 500 *31,350	*14 500 *31,350	*10 500 *22,700	8350 18,000	*7800 *16,650	5650 12,150			*6950 *15,300	5150 11,400	6470 260
-4500 mm -180 in	kg lb			*7850 *16,450	*7850 *16,450					*6800 *14,900	*6800 *14,900	4980 200



ISO 10567



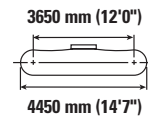
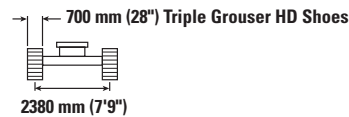
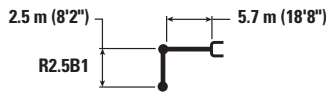
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.













Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

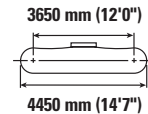
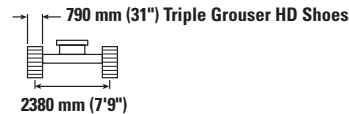
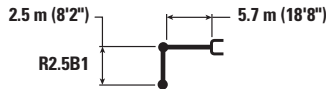
323 Hydraulic Excavator Specifications


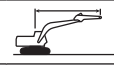










Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb									*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in	kg lb					*5900 *12,900	*5900 *12,900			*4750 *10,450	*4750 *10,450	6830 270
4500 mm 180 in	kg lb			*7400 *15,950	*7400 *15,950	*6350 *13,850	6300 13,550	*5250 4500		*4650 *10,200	4450 9,800	7570 300
3000 mm 120 in	kg lb			*9300 *20,000	9150 19,650	*7200 *15,600	6050 13,100	*6250 *13,600	4400 9,500	*4750 *10,450	4050 8,900	7960 320
1500 mm 60 in	kg lb			*10 950 *23,650	8650 18,650	*8050 *17,400	5850 12,600	6550 14,100	4300 9,300	*5050 *11,150	3900 8,600	8050 320
0 mm 0 in	kg lb			*11 700 *25,300	8450 18,150	*8550 *18,550	5700 12,250	6450 13,950	4250 9,150	*5650 *12,450	4000 8,800	7860 310
-1500 mm -60 in	kg lb	*12 000 *27,300	*12 000 *27,300	*11 550 *25,000	8400 18,050	*8600 *18,600	5650 12,150			6650 14,650	4350 9,600	7350 290
-3000 mm -120 in	kg lb	*14 500 *31,350	*14 500 *31,350	*10 500 *22,700	8500 18,250	*7800 *16,650	5700 12,350			*6950 *15,300	5200 11,550	6470 260
-4500 mm -180 in	kg lb			*7850 *16,450	*7850 *16,450					*6800 *14,900	*6800 *14,900	4980 200

Reach Boom Lift Capacities – Counterweight: 5.4 mt (11,900 lb) – without Bucket – Heavy Lift: On



		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				mm in
												
7500 mm 300 in	kg lb									*5150 *11,500	*5150 *11,500	5600 220
6000 mm 240 in	kg lb					*5900 *12,900	*5900 *12,900			*4750 *10,450	*4750 *10,450	6830 270
4500 mm 180 in	kg lb			*7400 *15,950	*7400 *15,950	*6350 *13,850	6300 13,700	*5250 4550		*4650 *10,200	4500 9,900	7570 300
3000 mm 120 in	kg lb			*9300 *20,000	9200 19,850	*7200 *15,600	6150 13,200	*6250 *13,600	4450 9,600	*4750 *10,450	4100 9,000	7960 320
1500 mm 60 in	kg lb			*10 950 *23,650	8750 18,850	*8050 *17,400	5900 12,700	*6600 14,250	4350 9,400	*5050 *11,150	3950 8,700	8050 320
0 mm 0 in	kg lb			*11 700 *25,300	8500 18,350	*8550 *18,550	5750 12,400	6550 14,100	4300 9,250	*5650 *12,450	4050 8,900	7860 310
-1500 mm -60 in	kg lb	*12 000 *27,300	*12 000 *27,300	*11 550 *25,000	8500 18,250	*8600 *18,600	5700 12,300			6700 14,800	4400 9,700	7350 290
-3000 mm -120 in	kg lb	*14 500 *31,350	*14 500 *31,350	*10 500 *22,700	8550 18,450	*7800 *16,650	5750 12,450			*6950 *15,300	5250 11,650	6470 260
-4500 mm -180 in	kg lb			*7850 *16,450	*7850 *16,450					*6800 *14,900	*6800 *14,900	4980 200



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

323 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Linkage	Width		Capacity		Weight		Fill	5.4 mt (11,900 lb) Counterweight	
									HD Reach Boom	
		mm	in	m³	yd³	kg	lb		%	R2.9 (9'6")
Pin-On (No Quick Coupler)										
General Duty	B	600	24	0.46	0.61	546	1,204	100	●	●
	B	750	30	0.64	0.84	617	1,361	100	●	●
	B	1000	39	0.93	1.22	710	1,566	100	●	●
	B	1050	42	1.00	1.31	731	1,611	100	●	●
	B	1200	48	1.19	1.56	799	1,761	100	●	●
	B	1400	55	1.43	1.87	866	1,909	100	X	X
	B	1500	60	1.58	2.06	906	1,997	100	X	X
Heavy Duty (HD)	B	600	24	0.46	0.61	629	1,386	100	●	●
	B	750	30	0.64	0.84	728	1,605	100	●	●
	B	900	36	0.81	1.06	806	1,775	100	●	●
	B	1050	42	1.00	1.31	860	1,895	100	●	●
	B	1200	48	1.19	1.56	916	2,018	100	●	●
	B	1350	54	1.38	1.81	1018	2,244	100	X	●
	B	1500	60	1.58	2.06	1079	2,378	100	X	X
Severe Duty (SD)	B	900	36	0.81	1.06	868	1,913	90	●	●
Mud/Cleanup	B	1800	72	1.60	2.09	1021	2,251	100	⊙	⊙
	B	2000	78	1.76	2.31	1088	2,399	100	⊖	⊙
Ditch Cleaning – Tilt	B	1800	72	1.40	1.83	1148	2,531	100	⊙	●
General Duty	312, A	900	36	0.53	0.69	403	888	100		
Ditch Cleaning Long Reach	312, A	1200	48	0.57	0.74	386	851	100		
Maximum load with pin-on (payload + bucket)								kg	3710	3980
								lb	8,179	8,774

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 +A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

(continued on next page)

323 Hydraulic Excavator Specifications

Bucket Specifications and Compatibility *(continued)*

	Linkage	Width		Capacity		Weight		Fill	5.4 mt (11,900 lb) Counterweight	
		mm	in	m³	yd³	kg	lb		%	HD Reach Boom
								R2.9 (9'6")		R2.5 (8'2")
With Cat Pin Grabber Coupler										
General Duty	B	600	24	0.46	0.61	546	1,204	100	●	●
	B	750	30	0.64	0.84	617	1,361	100	●	●
	B	1000	39	0.93	1.22	710	1,566	100	●	●
	B	1050	42	1.00	1.31	731	1,611	100	●	●
	B	1200	48	1.19	1.56	799	1,761	100	●	●
	B	1400	55	1.43	1.87	866	1,909	100	⊙	⊙
	B	1500	60	1.58	2.06	906	1,997	100	⊖	⊙
Heavy Duty	B	600	24	0.46	0.61	629	1,386	100	●	●
	B	750	30	0.64	0.84	728	1,605	100	●	●
	B	900	36	0.81	1.06	806	1,775	100	●	●
	B	1050	42	1.00	1.31	860	1,895	100	●	●
	B	1200	48	1.19	1.56	916	2,018	100	●	●
	B	1350	54	1.38	1.81	1018	2,244	100	⊙	⊙
	B	1500	60	1.58	2.06	1079	2,378	100	⊖	⊖
Severe Duty	B	900	36	0.81	1.06	868	1,913	90	●	●
Mud/Cleanup	B	1800	72	1.60	2.09	1021	2,251	100	⊖	⊖
	B	2000	78	1.76	2.31	1088	2,399	100	○	⊖
Ditch Cleaning – Tilt	B	1800	72	1.40	1.83	1148	2,531	100	⊖	⊙
Maximum load with coupler (payload + bucket)								kg	3288	3558
								lb	7,250	7,845

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 +A3:2013, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

323 Hydraulic Excavator Specifications

Attachments Offering Guide

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☒ Match ☐ No Match

PIN-ON ATTACHMENTS

Counterweight		5.4 mt (11,900 lb)	
Boom Type		HD Reach	
Stick Length		R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓	✓
	H130 GC S	✓	✓
	H130 S	✓	✓
Demolition and Sorting Grapples	G318	✓	✓
	G324	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		5.4 mt (11,900 lb)	
Boom Type		HD Reach	
Stick Length		R2.9 (9'6")	R2.5 (8'2")
Hydraulic Hammers	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 GC	✓	✓
	H130 GC S	✓	✓
	H130 S	✓	✓
Demolition and Sorting Grapples	G318	✓	✓
	G324		✓
Mobile Scrap and Demolition Shears	S3035 Flat Top		✓
Mulchers	HM4015		✓
	HM4815	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓

BOOM-MOUNT ATTACHMENTS

Counterweight		5.4 mt (11,900 lb)	
Boom Type		HD Reach	
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	

Offerings not available in all areas. Matches are dependent on excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

323 Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
BOOMS, STICKS AND LINKAGES			CAT TECHNOLOGY		
5.7 m (18'8") HD Reach boom	✓		Cat Product Link™	✓	
2.9 m (9'6") Reach stick	✓		Remote Flash	✓	
2.5 m (8'2") Reach stick		✓	Remote Troubleshoot	✓	
Bucket linkage, B1-family with lifting eye	✓		Cat Grade Connectivity		✓
CAB			Compatibility with radios and base stations from Trimble, Topcon, and Leica	✓	
ROPS	✓		Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓	
High-resolution 203 mm (8") LCD touchscreen monitor	✓		Cat Grade with 2D and offset memory	✓	
High-resolution 254 mm (10") LCD touchscreen monitor		✓	Cat Grade with Advanced 2D		✓
Auto bi-level air conditioner	✓		Cat Grade with 3D single GNSS		✓
Jog dial and shortcut keys for monitor control	✓		Cat Grade with 3D dual GNSS		✓
Keyless push-to-start engine control	✓		Cat Assist:	✓	
Height-adjustable console	✓		– Grade Assist		
Tilt-up left-side console	✓		– Boom Assist		
Heated air-suspension seat	✓		– Bucket Assist		
51 mm (2") seat belt	✓		– Swing Assist		
Monitor integrated Bluetooth® radio with USB/Aux ports	✓		– Lift Assist		
12V DC outlets	✓		Cat Payload:	✓	
Document storage	✓		– Static weigh		
Overhead storage and rear storage with nets	✓		– Semiautomatic calibration		
Beverage holder	✓		– Payload/cycle information		
Cup holder	✓		– USB reporting capability		
Openable two-piece front window	✓		2D E-Fence:	✓	
Rear window emergency exit	✓		– E-ceiling		
Radial wiper with washer	✓		– E-floor		
Openable polycarbonate skylight hatch	✓		– E-swing		
LED dome light	✓		– E-wall		
Floor welcome light	✓		– E-cab avoidance		
Roof sunscreen	✓		Auto hammer stop	✓	
Roller front sunscreen	✓		Laser catcher		✓
Roller rear sunscreen		✓	Work tool recognition	✓	
Washable floor mat	✓		Work tool tracking*	✓	
Beacon ready	✓				
Cat Stick Steer		✓			
Auxiliary relay		✓			

*Requires PL161 attachment locator on work tool and Bluetooth receiver on machine.

(continued on next page)

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
ELECTRICAL SYSTEM			SAFETY AND SECURITY		
1,000 CCA maintenance-free batteries (×2)	✓		Cat Detect – People Detection		✓
Centralized electrical disconnect switch	✓		Rearview and right-hand-sideview cameras	✓	
Programmable time-delay LED working lights	✓		Cat Command remote control		✓
LED chassis light, LH and RH boom lights, cab lights	✓		Neutral lever (lock out) for all controls	✓	
Premium surround lighting package		✓	Anti-skid plate and countersunk bolts on service platform	✓	
ENGINE			Ground-level accessible secondary engine shutoff switch in cab	✓	
Cat® C7.1 single turbo diesel engine	✓		RH handrail and handhold	✓	
Three selectable power modes	✓		Swing alarm		✓
Auto engine speed control	✓		Travel alarm	✓	
Auto engine idle shutdown	✓		Inspection lighting		✓
Work up to 3000 m (9,840 ft) above sea level without engine power de-rating	✓		SERVICE AND MAINTENANCE		
52° C (125° F) high-ambient cooling capacity	✓		Scheduled Oil Sampling (S·O·S SM) ports	✓	
Cold starting capability for –18° C (0° F)	✓		QuickEvac™ maintenance ready		✓
Double element air filter with integrated pre-cleaner	✓		Grouped location for engine oil and fuel filters	✓	
Electric fuel priming pump	✓		Ground-level second dipstick for engine oil	✓	
Electric cooling fans with auto-reverse function	✓		Radiator screen		✓
HYDRAULIC SYSTEM			Integrated vehicle health management system		✓
Boom and stick regeneration circuits	✓		UNDERCARRIAGE AND STRUCTURES		
Boom and stick lowering check valves	✓		600 mm (24 in) HD triple grouser track shoes	✓	
Heavy lift configuration	✓		700 mm (28 in) HD triple grouser track shoes		✓
Electronic main control valve	✓		790 mm (31 in) HD triple grouser track shoes		✓
Auto Dig Boost	✓		Tie-down points on base frame	✓	
Auto heavy lift	✓		Segmented track guiding guards	✓	
Auto warm up	✓		Full-length track guiding guards		✓
Auto two-speed travel	✓		HD bottom guard	✓	
Boom and stick drift reduction valve	✓		Swivel guard		✓
Element type main hydraulic filter	✓		HD travel motor guards	✓	
Slider joysticks	✓		Grease lubricated track links	✓	
Tandem type electronic main pump	✓		5400 kg (11,900 lb) counterweight	✓	
Hammer return filter circuit		✓	HD swing frame	✓	
Advanced Tool Control (two pump, one/two way high-pressure flow)	✓		HD swing bearing	✓	
Medium pressure auxiliary circuit		✓	HD base frame with SD track rollers and standard carrier rollers	✓	
Quick coupler circuit for Cat Pin Grabber and CW Dedicated		✓			
Fine swing control	✓				

323 Attachments

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper for 70/30 with washer
- RH electrical pedal for tool control
- Rain protector plus cab light cover
- 75 mm (3") retractable seat belt

SAFETY AND SECURITY

- Bluetooth key fob

SERVICE AND MAINTENANCE

- Grease gun holder

ELECTRICAL

- Jump start wiring

GUARDS

- Side rubber bumper
- Falling object guard system (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)
- Full protecting vandalism guard

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

© 2022 Caterpillar
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

AEXQ3361-01 (09-2022)
Replaces AEXQ3361
Build Number: 07F
(Aus-NZ)

